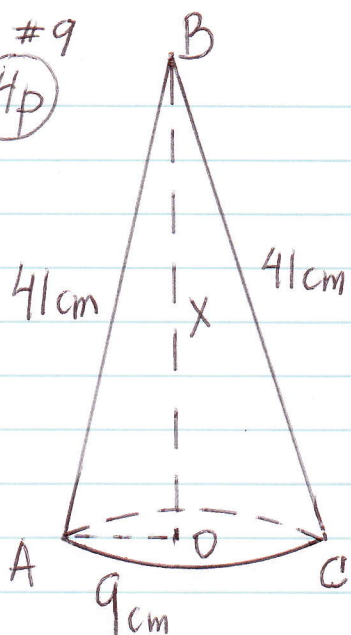


#9
4p



GIVEN: $BC = AB = 41 \text{ cm}$

$R = 9 \text{ cm}; h = x$

FIND: $x = ?$

$$a^2 = b^2 + c^2; \quad b^2 = a^2 - c^2$$

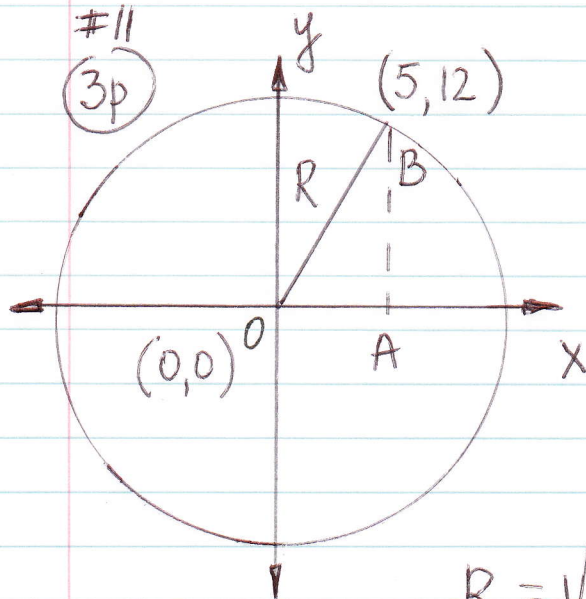
$$b = \sqrt{a^2 - c^2};$$

$$a = 41 \text{ cm}; \quad c = 9 \text{ cm}; \quad b = \sqrt{41^2 - 9^2}$$

$$b = \sqrt{1681 - 81} = \sqrt{1600} = 40 \text{ cm}; \quad \underline{x = 40 \text{ cm}}$$

#11

3p



GIVEN: $(5, 12)$

$OA = 5; \quad AB = 12$

FIND: R

$$R^2 = OA^2 + AB^2$$

$$R = \sqrt{OA^2 + AB^2}$$

$$R = \sqrt{5^2 + 12^2} = \sqrt{25 + 144} =$$

$$= \sqrt{169} = 13; \quad \underline{R = 13 \text{ cm}}$$